2019'创之盟'中德创新创业大赛
生物技术与大健康领域
参赛项目汇编

合作对接平台：
国际技术转移协作网络（ITTN）
www.ittn.cn

国际技术转移协作网络
国际交流 新闻动态 创新传播

国际创新项目SHOW
产业投资 机构合作 引进落地

2019 China-Germany'InnoAlliance' Biotechnology & Big Health Project Introduction

Cooperation and Matchmaking Platform：

International   Technology   Transfer Network（ITTN）
www.ittn.cn

国际技术转移协作网络
国际交流 新闻动态 创新传播

国际创新项目SHOW
产业投资 机构合作 引进落地

国际技术转移协作网络
International Technology Transfer Network

北京 Beijing | 上海 Shanghai | 深圳 Shenzhen | 苏州 Suzhou | 福州 Fuzhou | 成都 Chengdu | 重庆 Chongqing | 郑州 Zhengzhou | 洛阳 Luoyang | 贵阳 Guiyang | 香港 Hongkong

1.   **Weltenmacher**：针对肾病透析的医学虚拟现实训练 **medical virtual reality training targeting renal dialysis**

项目简介：

我们为患者和医务人员提供虚拟现实培训平台，目前专注于透析。我们将最先进的技术，如虚拟现实技术、游戏技术和我们自己的智能虚拟培训师进行结合，以实现个人培训体验。这有助于我们提出一种创新的教育方法。

主要用户是需要透析治疗的终末期肾病（ESRD）患者和医护人员。作为利基市场的开拓者，并且能够在全球建立强大的医疗保健专业人员网络，我们不仅是先行者，也同样具有竞争优势。

Project introduction:

We offer a virtual reality training platform for patients and medical staff, currently focused on dialysis. We combine state of the art technologies, such as virtual reality technology, gaming technologies and our own intelligent virtual trainer to enable an individual training experience. This helps us to propose an innovative approach to education.

Main users are End-Stage-Renal-Disease (ESRD) patients in need of dialysis treatment as well as medical staff and caretakers. Being a pioneer in a niche market and being able to already established a strong network of healthcare professionals globally gives as a first mover-but also competitive advantage.

成立时间：2017.03 融资额：€ 2.5M 合作需求：技术研发 网址：www.weltenmacher.de	**Time established:** 2017.03 **Raising Fund:** € 2.5M **Cooperation Need:** Technology R&D **Website:** www.weltenmacher.de

2.   **Cynteract**：手部恢复训练手套 **training gloves for hand rehabilitation**

项目简介：

我们已经开发出一种现代式手套，它配备了很多传感器。它使测量每一个手指的运动和力成为可能。振动同时可给出反馈。

手套被用于医疗应用，为病人提供激励康复。病人可结合电脑游戏，训练他的手的功能。同时，治疗师会收到关于康复现状的反馈。

为了进一步深入虚拟世界，手套在虚拟现实中充当输入设备，你可以看到你的手指，感受虚拟的表面。

Project introduction:

We have developed a modern glove, which is equipped with a lot of sensors. It makes it possible to measure every finger movement and force. A feedback can be given simultaneously by vibration.

The glove is used in medical applications to offer patients motivating rehabilitation. In combination with computer games the patient trains his hand function. At the same time, the therapist receives feedback on the current status of rehabilitation.

In order to dive even further into the virtual world, the glove serves as an input device in Virtual Reality, where you can virtually see your fingers and feel virtual surfaces.

成立时间：2016.11
融资额：€ 100,000
合作需求：融资
网址：www.cynteract.com/

Time established: 2016.11
Raising Fund: € 100000
Cooperation Need: funding raising
Website: www.cynteract.com/

3. Aigora: 为人工智能提供医疗数据集的平台 a platform providing medical datasets for artificial intelligence

项目简介：

数据可访问性是构建不受限的AI驱动的医疗应用程序的最大瓶颈，然而没有一家公司专门研究AI价值链的数据供应。Aigora希望改变这一现状，让人们可以访问大型、多样化和高质量的医疗数据集。Aigora代表医疗实践和诊所收集匿名医疗数据，准备以机器学习为目的数据，然后将其授权给人工智能研发人员。

Aigora专注于提供诊断影像数据和相应的诊断，以及来自不同医学专业的精选元数据。Aigora是第一家提供人工智能相关专业匿名医疗数据的专业公司。通过向大量客户(即开发公司)提供集中的数据，Aigora扮演着独特的角色，这对数据供应商(比如诊所、实验室和医疗连锁)尤其有吸引力。

Project introduction:

Data accessibility is the biggest bottleneck to building AI-powered healthcare applications that are free from biases, yet no company specializes on the data supply aspect of the AI value chain. Aigora wants to change that by making large, diverse and high-quality medical datasets accessible. On behalf of medical practices and clinics, Aigora aggregates anonymised medical data, prepares the data for machine learning purposes and subsequently licenses it to AI researchers & developers.

Aigora focuses on the provision of diagnostic imaging data and corresponding diagnoses as well as selected metadata from different medical specialties,

Aigora is the first specialized provider of anonymised medical data from all relevant specialties for artificial intelligence. By acting as a centralised provider of data to a large number of customers (i.e. development companies), Aigora plays a unique role, which is particularly appealing to data suppliers (i.e. clinic, lab and hospital chains).

成立时间：2018.12
融资额：€ 750K
合作需求：市场开发
网址：www.aigora.de

Time established: 2018.12
Raising Fund: € 750K
Cooperation Need: Market development
Website: www.aigora.de

4. **DendroPharm**：消除药物副作用的颠覆性生产技术　**a revolutionary technology removing side effects of drugs**

项目简介：

公司位于德国柏林，为美国阿片类药物危机提供解决方案。致力于靶向药物递送和通过消除不必要的副作用开发创新疗法。2016年，该公司因其药物递送纳米技术平台获得德国柏林勃兰登堡创新奖。该技术基于生物相容性树突状聚合物，这种聚合物能使药物穿过皮肤、进入肿瘤或发炎组织。DendroPharm公司基于聚合物的纳米技术平台技术消除了已经建立的、FDA批准的阿片类药物的副作用。通过消除便秘、恶心、镇静和成瘾等副作用，量身定制的树突状止痛剂™应运而生，有望解决当前美国阿片类药物危机，为广大人群提供有效的止痛效果。该公司正在与世界一流的镇痛专家和柏林大学医院合作。拥有自己的临床试验样品和GMP材料，可快速启动I/II期临床试验。该公司还得到了一个商业天使股东团队的进一步支持，他们在制药行业和金融领域有着良好的业绩记录。

Project introduction:

DendroPharm GmbH, Berlin, Germany is offering a solution to the US opiate crisis. The company is focussing on targeted drug delivery and the development for innovative therapies by removing unwanted side effects. In 2016 the company won the German Berlin Brandenburg innovation award for their nanotech platform for drug delivery. The technology is based on biocompatible dendritic polymers which enable drugs to pass through the skin, into tumours or into inflamed tissue.

DendroPharm´s polymer based nanotech based platform technology removes side effects from already established, FDA approved opiate drugs. By removing the side effects namely constipation, nausea, sedation and last not least addiction – tailored DendriticAnalgesics™ emerge that have the potential to solve the current US opioid crisis and provide efficient pain-relief to large populations.

The company is collaborating with world class specialists for analgesia and with the university hospital in Berlin. It has own facilities for the manufacturing of clinical trial samples and GMP materials, which will enable a fast start of Phase I/II trials. The company is further supported by a team of business angel shareholders with a proven track record in pharmaceutical industry and finance.

成立时间：2013.05
融资额：€ 2.5M-15M
合作需求：技术研发
网址：www.dendropharm.de

Time established: 2013.05
Raising Fund: € 2.5M-15M
Cooperation Need: Technology R&D
Website: www.dendropharm.de

5. **RehaGo**：帮助瘫痪患者的虚拟现实技术 **virtual reality technology assisting people with paralysis**

项目简介：

Rehago将现代技术与成熟的治疗方法相结合，并在市场中进行创新，并且需要解决巨大的低效问题。仅在德国，每年约有50万人被诊断为半瘫痪（偏瘫）。

但是，我们医疗保健系统中的有限资源不足以进行高强度培训和最佳恢复。在家训练可能很无聊，会失去动力或太昂贵。 Rehago使全球数百万半瘫痪的人能够更快地恢复独立生活。通过现代虚拟现实游戏，我们提供独立，廉价和激励性的训练，并鼓励用户定期将他们的表现推向极限。由于系统的移动性，可以在诊所，疗养院或舒适的家中进行训练，用户可以在那里独立训练或由治疗师陪同。我们还开发了一款应用程序，可以帮助治疗师了解病人看到的内容，以便他们之间进行更多沟通和开放。

Project introduction:

Rehago combines modern technology with proven therapy methods and innovates in a market with huge inefficiencies to be solved. Every year about 500,000 people are NEWLY diagnosed with half-paralysis (hemiparesis), in Germany alone.

However, the limited resources in our healthcare system are not sufficient for highly intensive training and optimal recovery. The possibilities for home training are boring, demotivating or too expensive. Rehago enables millions of half-paralysed people worldwide to get back to an independent life faster. Through modern virtual reality games we offer independent, inexpensive and motivating training and encourage users to regularly push their performance to the limit.

Thanks to the mobility of the system, training can take place in the clinic, in a nursing home or in the comfort of their own home, where users can train independently or accompanied by a therapist. We have also developed an app that helps the therapist to see what the patient sees, for more communication and openness between them.

成立时间：2018.08
融资额：€ 1M
合作需求：市场开发、技术研发
网址：www.RehaGO.eu

Time established: 2018.08
Raising Fund: € 1M
Cooperation Need: Market development, technology R&D
Website: www.RehaGO.eu

6. **PreciPoint Group**：用于癌症诊断的自动数字显微镜系统 **automatic digital microscopy system applied to diagnosis of cancer**

项目简介：

自动数字显微镜系统，使医生能够应用区块链和人工智能进行癌症诊断，以提高诊断质量、改善病人护理。PreciPoint通过为微观样品的数字化提供可扩展且可靠的系统来解决癌症诊断问题，该系统能够兼容制备中的不一致性，具有类似智能手机的创新界面，以应对广泛的培训需

求。该公司提供完全可集成的平台以及数字化系统，包括在线和云存储解决方案，控制、查看和图像处理软件以及用于集成第三方软件以包含其他功能的广泛接口。这种组合将使病理诊断的质量和效率显著改善，并将有助于将病理学带入数字化时代，同时显着提高诊断质量和患者护理。

PreciPoint提供各种集成的硬件和软件产品。所有产品的集成能力创造了额外的价值，允许第三方应用的结合，以兼容样品制备中的不一致性，并能够对于最难处理的标本生成高质量的图像。这有可能对基本上所有样本进行数字分析，从而为大部分患者创造了新诊断工具。

PreciPoint的使命是将癌症诊断带入新的的质量和效率水平。这将通过在光学、电子、机械工程、软件开发、人工智能驱动算法以及广泛的物联网和IT基础设施的创建中应用最先进的技术来实现。通过这种方式，PreciPoint将能够实现高质量的自动化诊断，并有助于抗击癌症。

Project introduction:

Automatic digital microscopy system that enables doctors to apply blockchain and AI for cancer diagnostics in order to increase diagnostic quality and improve patient care. PreciPoint is addressing the issue of cancer diagnostics by providing a scalable and reliable system for the digitalization of microscopic samples which is tolerant against inconsistencies in preparation with an innovative, smartphone-like interface to prevent extensive training requirements. The company is offering a fully integrable platform together with the digitalization system including online and cloud storage solutions, control-, viewer- and image manipulation-software as well as extensive interfaces for the integration of third-party software to include additional functionalities. This combination will lead to a significant improvement in quality and efficiency of pathological diagnoses and will contribute to take pathology to the age of digitalization while significantly improving diagnostic quality and patient care.

PreciPoint offers a variety of integrated hardware and software products. Additional value is created by the integration capacity of all our products, allowing the seamless incorporation of third-party applications as well as by the unmatched capability to tolerate inconsistencies in the sample preparation and being able to generate high-quality images even from most difficult specimen. This offers the possibility to run digital analyses on basically every sample opening the gate for new diagnostic tools to a large segment of patients.

The mission of PreciPoint is to bring cancer diagnostics to unknown quality and efficiency levels. This will be achieved by the application of state-of-the-art technologies in optics, electronics, mechanical engineering, software development, AI-powered algorithms and the creation of an extensive IoT- and IT-infrastructure. In this way, PreciPoint will be able to automatize high-quality diagnostics and contribute to winning the fight against cancer.

成立时间：2018.01
融资额：€ 8M-12M in 2020
合作需求：技术研发、市场开发、合资企业
网址：www.precipoint.com

Time established: 2018.01
Raising Fund: € 8M-12M in 2020
Cooperation Need: Technology R&D、Market Development、Joint venture
Website: www.precipoint.com

7. Xantus：第一款测试饮品安全的腕佩式设计 **the first wristband to test a drink**

项目简介：

Xantus是第一个可以在饮酒时保障人身安全的腕佩式设计。有四个好处**:**

-预防保护
-提醒功能
-适合聚会
-测试GHB等迷奸药。

测试饮品:
在本品上滴一滴杯子里的饮品，等待2分钟。
当它变成绿色时—安全。
当它变成蓝色时—含有迷奸药!

Project introduction:

Xantus is the first wirstband to protect yourself from drink spiking. There are 4 benefits:

- preventive protection
-reminder function
- suitable for party
- test a drink on most popular and "ideal" date rape drug GHB.

To test a drink:

Put a drop of your glas onto one testified and wait up to 2 minutes.

When it turns green - all right.

When it turns blue - date rape drugs in the drink!

成立时间：2016.05 融资额：€ 250000 合作需求：市场开发 网址：www.xantus-drinkcheck.de	**Time established:** 2016.05 **Raising Fund:** € 250000 **Cooperation Need:** Market development **Website:** www.xantus-drinkcheck.de

8. Scaneca GmbH: 人体三维扫描及模型分析 **3D scanning of the human body and body analysis based on 3D models**

项目简介：

我们的目标是打造一家具备人体三维扫描和基于三维模型的人体分析核心能力的公司。三维人体扫描在健身行业(身体分析和跟踪训练进度)、医学(骨科和理疗中的姿势分析)、服装行业(定

制服装、在线商务尺寸确定)、增强和虚拟现实等领域有着广泛的应用。由于进入门槛相对较低，健身市场已被选定为进入市场，并已在美国商业模式中得到验证。我们的第一个产品是一个应用于健身房的三维人体分析系统。该系统在短短几分钟内提供全自动、客观和全面的身体分析。分析包括3D化身的创建、身体数值的计算(BMI、脂肪含量、瘦体重等健康相关参数)、不同身体部位周长的测量以及基本的姿势分析。

在公司进一步发展的阶段，我们计划进入医疗市场，为物理治疗和骨科应用提供三维姿态分析系统。它允许识别和定量描述体位障碍，并自动创建报告。

Project introduction:

The goal of our project is to build a company with core competencies in 3D scanning of the human body and body analysis based on 3D models. 3D body scanning has numerous applications in the fitness industry (body analysis and tracking of training progress), medicine (postural analysis in orthopedics and physiotherapy), apparel industry (tailor-made apparel, size determination for online commerce), augmented and virtual reality.

The fitness market has been selected as an entry market due to relatively low entry barriers and already proven in USA business models. Our first product is a 3D body analysis system for gyms. This system provides fully automated, objective and holistic body analysis in just minutes. The analysis includes the creation of a 3D avatar, the calculation of the body values (BMI, fat content, lean mass and other health-relevant parameters), the measurement of circumferences of different body parts as well as a basic posture analysis.

In further stages of development of the company, we plan to enter the medical market with a 3D posture analysis system for physiotherapeutic and orthopedic applications. It allows recognizing and quantitative characterizing postural disorders as well as automatically creates a report.

成立时间：/	**Time established:** /
融资额：/	**Raising Fund:** /
合作需求：/	**Cooperation Need:** /
网址：/	**Website:** /

9. PsyCurio: 虚拟现实医疗技术 medical treatment technology of virtual reality

项目简介：

PsyCurio利用虚拟现实技术的治疗潜力，为心理和神经疾病的治疗提供了创新的系统。该系统将交互式三维环境与外部生理测量(如眼动数据)和实时数据分析技术相结合，提供了一种精确、灵活、时间和成本效益高的治疗方法。

Project introduction:

PsyCurio offers innovative systems for the treatment of psychological and neurological disorders by exploiting the proven therapeutic potential of Virtual Reality technology. The system combines interactive 3D environments with external physiological measures (e.g. eye tracking

data) and real-time data analyses techniques to provide a precise, flexible and time and cost-efficient therapeutic approach.

成立时间：/	**Time established:** /
融资额：/	**Raising Fund:** /
合作需求：/	**Cooperation Need:** /
网址：/	**Website:** /

10. BabyCare: 早产干预预防 preventive intervention of preterm births

项目简介：

BabyCare是一项预防计划，旨在通过针对所有已知的可干预的危险因素，帮助减少早产。

由著名的产科医生、助产士和预防及健康促进专家于2000年开发的BabyCare，旨在减少孕妇的不安全感，从而对怀孕产生积极的影响。

BabyCare成功的关键是什么？-帮助识别个人健康和生活方式的风险，提供与怀孕有关的所有问题的科学可靠的信息，并就如何减少风险提供个性化的建议。对BabyCare预防计划的定期评估显示，早产率总体上降低了20%。

该项目包括怀孕手册、一款手机应用程序和一份带有个人评估的问卷(纸质、在线、应用程序)。

Project introduction:

BabyCare is a prevention program designed to help reduce preterm births by targeting all known risks factors that are open to intervention.

Developed in the year 2000 by renowned obstetricians, midwives and experts in prevention and health promotion, BabyCare aims to reduce insecurities and empower pregnant women to take positive influence on their pregnancy.

The keys to BabyCare's success? – Helping identify individual health and lifestyle risks, providing scientifically sound information on all issues related to pregnancy and offering personalized advice on how to reduce the hazards. Regular evaluations of the BabyCare prevention program show an overall reduction in preterm births by up to 20 %.

The BabyCare program comprises a pregnancy handbook, a mobile app and a questionnaire (print, online, app) with an individual evaluation letter.

成立时间：2000	**Time established:** 2000
融资额：/	**Raising Fund:** /
合作需求：/	**Cooperation Need:** /
网址：/	**Website:** /